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- Applicant: AMOCO CORPORATION 200 East Randolph Drive Chicago Illinois 60601(US)
- ② Inventor: Collins, Mark Leo 435 Malden Street Holden Massachusetts 01520(US)
- Representative: Lewin, John Harvey et al ELKINGTON AND FIFE Beacon House 113 Kingsway London WC2B 6PP(GB)
- Target and background capture methods and apparatus for affinity assays.
- Methods, compositions and instruments for performing affinity assays for target molecules include contacting a sample with a retrievable support capable of forming a substantially homogenous dispersion within a sample medium and reversibly binding to the target molecule. The retrievable support is capable of being separated from the sample medium recapturing the target molecule from other constituents of the sample.

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EUROPEAN SEARCH REPORT

EP 87 30 9308

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	DOCUMENTS CONSII	DERED TO BE RELEVAN	Γ		
Category	Citation of document with in of relevant pas	dication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Im. Cl. 4)	
X	WO-A-8 605 815 (GEN INTERNATIONAL, INC.) * Whole document *		1-5,7-9 ,11,22, 23,30, 31,34- 36,39	G 01 N 33/538 C 12 Q 1/68 G 01 N 33/553 G 01 N 33/546	
X,P L	EP-A-0 232 967 (AMC * @Page 7, lines 23- 41-58; figure 2 *	OCO CORP.(priority)) -34; page 22, lines	24-29		
X,P	EP-A-0 230 768 (SYN * Page 3, lines 18-4 44-50; page 8, lines lines 1-7; page 15, lines 41-43; page 26	19; page 5, lines s 47-52; page 9, example 3; page 18.	1-5,7- 11,22, 23,30, 31,34- 39		
X	BIOCHEMISTRY SOCIETY 12, part 4, August 1 The Biochemical Soci J.A. LANGDALE et al. * Whole article *	1984, pages 693-694, lety, London, GB:	1-5,7-9 ,11,22, 23,30, 31,34- 36,39	TECHNICAL FIELDS	
X	CLINICAL CHEMISTRY, September 1985, page Winston-Salem, NC, U et al.: "Use of DNA plastic and agarose DNA by sandwich hybr * Page 1438, column 1440, column 1, line	es 1438-1443, JS; R. POLSKY-CYNKIN immobilized on supports to detect idization" 1, line 19 - page	1,2,7, 30,31	G 01 N 33 C 12 Q 1 B 03 C 1	
	The present search report has be				
тиг	Place of search HAGUE	Date of completion of the search 16-02-1989	WAN	Examiner DOLEMEN C C	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		ITS T: theory or princip E: earlier patent do after the filing the ther D: document cited i L: document cited f &: member of the s:	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document		

EPO PORM 1503 03.82 (P0401)

EUROPEAN SEARCH REPORT

Application Number

EP 87 30 9308

Category	Citation of document with	IDERED TO BE RELEVA	Relevant	CLASSIFICATION OF THI
X,D	NUCLEIC ACIDS RESEA 12, 1986, pages 503 Ltd, Oxford, GB; A. "Fast quantification hybrids by affinity collection"	ARCH, vol. 14, no. 17-5048, IRL Press -C. SYVÄNEN et al.: ons of nucleic acid r-based hybrid 180 - page 5040, line	1,2,7, 30	APPLICATION (Int. Cl. 4)
X,D	US-A-3 970 518 (I. * Column 1, lines 3 lines 1-30 *	GIAEVER)	1,4,5,7 ,11,22, 23,34, 35	
X	EP-A-O 125 995 (AU INC.) * Page 14, line 28 page 30, lines 18-1 3-17 *	- page 15. line 16:	1,4,5,7 ,11,22, 23,34, 35	
Υ	EP-A-0 139 489 (OF SYSTEMS INC.) * Page 2, line 14 - page 3, lines 28-33 19-27; figure *	page 3. line 4:	1-3,5- 10,12- 22,30- 34,36- 41	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
Y	WO-A-8 202 773 (IC * Page 4, lines 21- - page 7, line 27; *	L SCIENTIFIC) 25; page 6, line 18 page 10, lines 33-36	1-3,5- 10,12- 22,30- 34,36- 41	
X	EP-A-0 159 719 (EN * Page 4, lines 1-1 13-22; page 32, lin 2; figures 1-3 *	ZO BIOCHEM INC.) 5; page 10, lines ee 1 - page 36, line	1-3,5- 10,12- 22,30- 34,36- 41	
	The present search report has h	een drawn up for all claims		
Place of search THE HAGUE		Date of completion of the search 16-02-1989		Examiner BOHEMEN C.G.
X : part Y : part doc A : tech O : non	CATEGORY OF CITED DOCUME ticularly relevant if taken alone ticularly relevant if combined with an unent of the same category nological backgroundwritten disclosure trmediate document	NTS T: theory or pri E: earlier paten after the fill other D: document ci L: document ci	nciple underlying the t document, but publ ng date ted in the application ted for other reasons	invention lished on, or